

WHAT IS CLAIMED IS:

1. An information record medium having a record track recorded with at least video information to be reproduced by a reproducing apparatus, which comprises a read means and reproduces said at least video information while relatively moving said read means along said record track, wherein:

said at least video information and control information comprising access information to access said video information are recorded on said record track such that said video and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video and control informations; and

management information including (i) reproduction procedure information prescribing a reproduction procedure of said video information and (ii) a plurality of first search prohibit informations each indicating a prohibition of a search operation by said reproducing apparatus for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously by said reproducing apparatus in accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups.

2. An information record medium according to claim 1, wherein said control information in each of said first data groups

respectively includes a second search prohibit information, which indicates a prohibition of the search operation of respective one of said second data groups including said control information by said reproducing apparatus.

3. An information record medium having a record track recorded with at least video information and audio information to be reproduced by a reproducing apparatus, which comprises a read means and reproduces said at least video and audio informations while relatively moving said read means along said record track, wherein:

said at least video and audio informations and control information comprising access information to access said video and audio informations are recorded on said record track such that said video, audio and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video, audio and control informations; and

management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and audio informations and (ii) a plurality of first selection prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said audio information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced by said reproducing apparatus, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced

continuously by said reproducing apparatus in accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups.

4. An information record medium having a record track recorded with at least video information and sub picture information to be reproduced by a reproducing apparatus, which comprises a read means and reproduces said at least video and sub picture informations while relatively moving said read means along said record track, wherein:

said at least video and sub picture informations and control information comprising access information to access said video and sub picture informations are recorded on said record track such that said video, sub picture and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video, sub picture and control informations; and

management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and sub picture informations and (ii) a plurality of first selection prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said sub picture information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced by said reproducing apparatus, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously by said reproducing apparatus in

accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups.

5. An information recording apparatus for recording an information record medium having a record track recorded with at least video information to be reproduced by a reproducing apparatus, which comprises a read means and reproduces said at least video information while relatively moving said read means along said record track, said information recording apparatus comprising:

an access information generation means for generating access information to access said video information in association with said video information;

a record means for recording said at least video information and control information comprising said generated access information onto said record track such that said video and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video and control informations, and for further recording management information including (i) reproduction procedure information prescribing a reproduction procedure of said video information and (ii) a plurality of first search prohibit informations each indicating a prohibition of a search operation by said reproducing apparatus for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously by said reproducing

apparatus in accordance with said reproduction procedure information, collectively at one portion of said record track for each of said second data groups; and

an input means for inputting said first search prohibit informations.

6. An information recording apparatus according to claim 5, wherein:

said record means records said control information such that said control information in each of said first data groups respectively includes a second search prohibit information, which indicates a prohibition of the search operation of respective one of said second data groups including said control information by said reproducing apparatus; and

said input means is constructed to further input said second search prohibit information.

7. An information recording apparatus for recording an information record medium having a record track recorded with at least video information and audio information to be reproduced by a reproducing apparatus, which comprises a read means and reproduces said at least video and audio informations while relatively moving said read means along said record track, said information recording apparatus comprising:

an access information generation means for generating access information to access said video and audio informations in

association with said video and audio informations;

a record means for recording said at least video and audio informations and control information comprising said generated access information onto said record track such that said video, audio and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video, audio and control informations, and for further recording management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and audio informations and (ii) a plurality of first selection prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said audio information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced by said reproducing apparatus, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously by said reproducing apparatus in accordance with said reproduction procedure information, collectively at one portion of said record track for each of said second data groups; and

an input means for inputting said first selection prohibit informations..

8. An information recording apparatus for recording an information record medium having a record track recorded with at least video information and sub picture information to be reproduced

by a reproducing apparatus, which comprises a read means and reproduces said at least video and sub picture informations while relatively moving said read means along said record track, said information recording apparatus comprising:

an access information generation means for generating access information to access said video and sub picture informations in association with said video and sub picture informations;

a record means for recording said at least video and sub picture informations and control information comprising said generated access information onto said record track such that said video, sub picture and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed by said reproducing apparatus and each of which comprises said video, sub picture and control informations, and for further recording management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and sub picture informations and (ii) a plurality of second selection prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said sub picture information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced by said reproducing apparatus, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously by said reproducing apparatus in accordance with said reproduction procedure information, collectively at one portion of said record track for

each of said second data groups; and

an input means for inputting said second selection prohibit informations.

9. An information reproducing apparatus for reproducing an information record medium in which: at least video information and control information comprising access information to access said video information are recorded on a record track such that said video and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed and each of which comprises said video and control informations; and management information including (i) reproduction procedure information prescribing a reproduction procedure of said video information and (ii) a plurality of first search prohibit informations each indicating a prohibition of a search operation for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously in accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups. said information reproducing apparatus comprising:

a read means for reading information recorded at a predetermined read position on said record track;

a reproduction means for reproducing the information read by said read means;

a specification means for specifying an execution of the search operation with respect to said information reproducing



apparatus; and

a control means for controlling at least one of said read means, said reproduction means and said specification means to execute the specified search operation in case that the execution of the search operation is specified by said specification means, and for further controlling at least one of said read means, said reproduction means and said specification means to reproduce said management information in advance of executing the specified search operation and not to execute the specified search operation in one second data group which prohibition of the search operation is indicated by corresponding one of said first search prohibit informations included in said reproduced management information.

10. An information reproducing apparatus according to claim 9, wherein:

said control information in each of said first data groups respectively includes a second search prohibit information, which indicates a prohibition of the search operation of respective one of said second data groups including said control information; and

said control means controls at least one of said read means, said reproduction means and said specification means to reproduce said control information in advance of reproducing said video information in each of said first data groups and not to execute the specified search operation in one second data group which prohibition of the search operation is indicated by corresponding one of said second search prohibit informations included in said reproduced

control information.

11. An information reproducing apparatus for reproducing an information record medium in which: at least video information, audio information and control information comprising access information to access said video and audio informations are recorded on a record track such that said video, audio and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed and each of which comprises said video, audio and control informations; and management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and audio informations and (ii) a plurality of first selection prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said audio information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously in accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups, said information reproducing apparatus comprising:

a read means for reading information recorded at a predetermined read position on said record track;

a reproduction means for reproducing the information read by said read means;

a specification means for specifying the desired stream of said audio information with respect to said information reproducing apparatus; and

a control means for controlling at least one of said read means, said reproduction means and said specification means to reproduce said specified desired stream of said audio information together with said one stream of said video information, and for further controlling at least one of said read means, said reproduction means and said specification means to reproduce said management information in advance of selecting or reproducing said specified desired stream of said audio information and not to select or reproduce one stream of said audio information which selection is prohibited by corresponding one of said first selection prohibit informations included in said reproduced management information.

12. An information reproducing apparatus for reproducing an information record medium in which: at least video information, sub picture information and control information comprising access information to access said video and sub picture informations are recorded on a record track such that said video, sub picture and control informations are divided into a plurality of first data groups, each of which is a unit able to be accessed and each of which comprises said video, sub picture and control informations; and management information including (i) reproduction procedure information prescribing a reproduction procedure of said video and sub picture informations and (ii) a plurality of second selection

prohibit informations each indicating a prohibition of selecting arbitrary at least one of a plurality of streams of said sub picture information which correspond to one stream of said video information and among which a desired stream is to be selected and reproduced, for respective one of second data groups each of which comprises a plurality of said first data groups to be reproduced continuously in accordance with said reproduction procedure information, is collectively recorded at one portion of said record track for each of said second data groups, said information reproducing apparatus comprising:

a read means for reading information recorded at a predetermined read position on said record track;

